

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ADENOSINE RECEPTOR ANTAGONISTS AND METHODS OF MAKING AND USING THE SAME, the specification of which:

is attached hereto.
 was filed on November 13, 2000 as Application Serial No. 09/711,543 and was amended on _____.
 was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
60/165,191	November 12, 1999	Pending

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Louis Myers, Reg. No.: 35,965
Timothy A. French, Reg. No.: 30,175

Diana M. Collazo, Reg. No.: 46,635
Laurie Butler Lawrence, Reg. No.: 46,593

Address all telephone calls to LOUIS MYERS at telephone number (617) 542-5070.

Address all correspondence to LOUIS MYERS at:

FISH & RICHARDSON P.C.
225 Franklin Street
Boston, MA 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Combined Declaration and Power of Attorney

Page 2 of 3 Pages

Full Name of Inventor: WILLIAM F. KIESMAN

Inventor's Signature: 

Date: 5/21/01

Residence Address:

92 Old Sudbury Road
Wayland, MA 01778

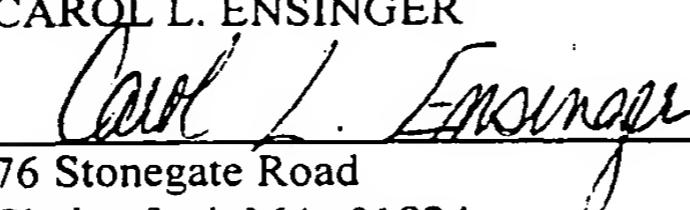
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U.S.A.

Post Office Address:

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Full Name of Inventor: CAROL L. ENSINGER

Inventor's Signature: 

Date: 5/21/01

Residence Address:

76 Stonegate Road
Chelmsford, MA 01824

Citizenship:

U.S.A.

Post Office Address:

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Chelmsford, MA 01824

Full Name of Inventor: RUSSELL C. PETTER

Inventor's Signature: 

Date: 5/18/01

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343 Hudson Road
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Citizenship:

U.S.A.

Post Office Address:

343 Hudson Road
Stow, MA 01775

Full Name of Inventor: JAMES E. DOWLING

Inventor's Signature: 

Date: 5/21/01

Residence Address:

30 Aberdeen Drive
Scituate, MA 02066

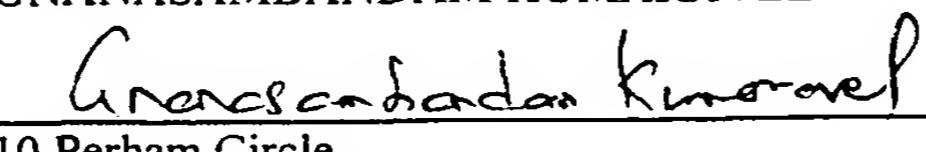
Citizenship:

U.S.A.

Post Office Address:

30 Aberdeen Drive
Scituate, MA 02066

Full Name of Inventor: GNANASAMBANDAM KUMARAVEL

Inventor's Signature: 

Date: 5/21/01

Residence Address:

10 Perham Circle
Westford, MA 01886

Citizenship:

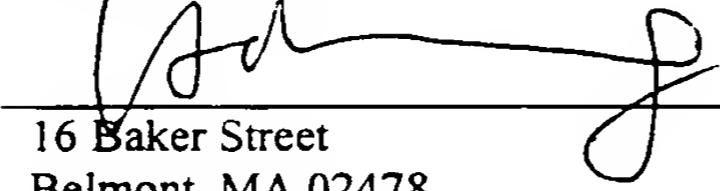
U.S.A.

Post Office Address:

10 Perham Circle
Westford, MA 01886

Combined Declaration and Power of Attorney
Page 3 of 3 Pages

Full Name of Inventor: HE XI CHANG

Inventor's Signature: 

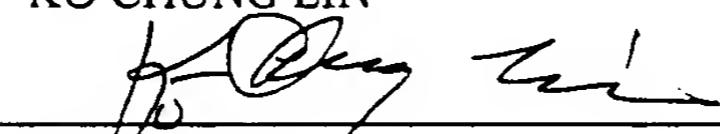
Date: 5-21-01

Residence Address: 16 Baker Street
Belmont, MA 02478

Citizenship: China

Post Office Address: 16 Baker Street
Belmont, MA 02478

Full Name of Inventor: KO CHUNG LIN

Inventor's Signature: 

Date: 5/21/01

Residence Address: 253 Lincoln Street
Lexington, MA 02421

Citizenship: U.S.A.

Post Office Address: 253 Lincoln Street
Lexington, MA 02421

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Not yet assigned
Group : 1614
Applicants : William F. Kiesman, et al.
Application No.: 09/711,543 Confirmation No.: 7145
Filed : November 13, 2000
For : ADENOSINE RECEPTOR ANTAGONISTS AND
METHODS OF MAKING AND USING THE SAME

Hon. Commissioner
for Patents
Washington, D.C. 20231

REVOCATION OF POWER OF ATTORNEY
AND
NEW POWER OF ATTORNEY

Sir:

Biogen, Inc., assignee of the entire right, title and interest in and to the above-identified patent application as evidenced by virtue of an assignment (copy enclosed) of William F. Kiesman, Carol L. Ensinger, Russell C. Petter, James E. Dowling, Gnanasambandam Kumarvel, He Xi Chang, and Ko-Chung Lin, hereby revokes all powers of attorney heretofore existing in said United States patent application, and hereby appoints James F. Haley, Registration No. 27,794, Karen Mangasarian, Registration No. 43,772, and Kristin M. Joslyn, Registration No. 47,692, as its principal attorneys of record in said United States patent application, with full power of substitution and revocation including the power to appoint associate

attorneys and to revoke their powers, to prosecute this application, to make alterations and amendments therein, to receive the Letters Patent and to transact all business in the Patent and Trademark Office pertaining thereto.

The Patent and Trademark Office is respectfully requested to direct all correspondence and telephone calls to:

James F. Haley
FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000.

Pursuant to 37 C.F.R. § 3.73(b), the undersigned hereby states and certifies as follows:

1. I am an officer of assignee corporation and am authorized to act on behalf of assignee corporation with respect to the above-identified application; and

2. The relevant evidentiary documents have been reviewed and, to the best of my knowledge and belief, the entire right, title and interest to this application are in the assignee.

Biogen, Inc.

September 2001
Date

By: James G. Aver

Name: James G. Aver

Title: Chief Counsel, Int'l. Property
and Asst. Secretary

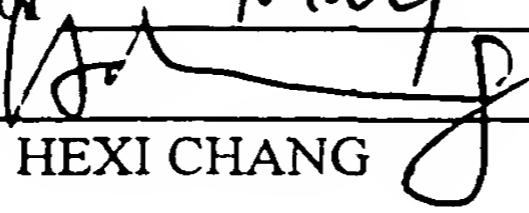
ASSIGNMENT

For valuable consideration, we, WILLIAM F. KIESMAN of Wayland, MA, CAROL L. ENSINGER of Chelmsford, MA, RUSSELL C. PETTER of Stow, MA, JAMES E. DOWLING of Scituate, MA, GNANASAMBANDAM KUMARAVEL of Westford, MA, HE XI CHANG of Belmont, MA, KO-CHUNG LIN of Lexington, MA, hereby assign to:

Biogen, Inc., a Massachusetts corporation having a place of business at:

14 Cambridge Center
Cambridge, Massachusetts 02142; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ADENOSINE RECEPTOR ANTAGONISTS AND METHODS OF MAKING AND USING THE SAME, filed November 13, 2000, and assigned U.S. Serial Number 09/711,543, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge
this 21 day of May, 2001

HEXI CHANG

L.S.

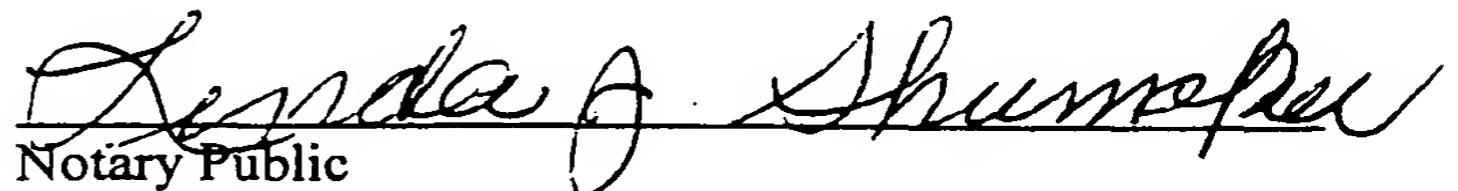
Commonwealth

State of MASSACHUSETTS:

: ss.

County of MIDDLESEX :

Before me this 21st day of MAy, 2001, personally
appeared HEXI CHANG known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.


Linda J. Shumaker
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge
this 21 day of May, 2001

KO-CHUNG LIN

L.S.

Commonwealth
State of MASSACHUSETTS

: ss.

County of MIDDLESEX :

Before me this 21st day of MAY, 2001, personally
appeared KO-CHUNG LIN known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Lynda J. Shumaker
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge
this 21 day of May, 2001
Gnanasambandam Kumaravel
GNANASAMBANDAM KUMARAVEL L.S.

COMMONWEALTH
State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21st day of MAY, 2001, personally
appeared GNANASAMBANDAM KUMARAVEL known to me to be the person whose name
is subscribed to the foregoing Assignment and acknowledged that he executed the same as his
free act and deed for the purposes therein contained.

Linda J. Shumaker
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA
this 21st day of May, 2001
WILLIAM F. KIESMAN
L.S.

THE COMMONWEALTH
State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21st day of MAY, 2001, personally
appeared WILLIAM F. KIESMAN known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

Linda J. Shumaker
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE,
this 21st day of MAY, 2001
James E. Dowling
JAMES E. DOWLING

L.S.

COMMONWEALTH
State of MASSACHUSETTS:

: ss.

County of MIDDLESEX:

Before me this 21st day of MAY, 2001, personally
appeared JAMES E. DOWLING known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Asya J. Shumaker
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE, MA,
this 21st day of May, 2001

CAROL L. ENSINGER

L.S.

Commonwealth

State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21st day of May, 2001, personally
appeared CAROL L. ENSINGER known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

Doreen J. Shumacher
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge
this 21st day of May, 2001

RUSSELL C. PETTER)

L.S.

Commonwealth
State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21st day of MAY, 2001, personally
appeared RUSSELL C. PETTER known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Levi J. Shumaker

Notary Public

My Commission Expires:

08/03/01

[Notary's Seal Here]



UNITED STATES PATENT AND TRADEMARK OFFICE

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COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/711,543	11/13/2000	William F. Kiesman	10274-028001 / A085 US

CONFIRMATION NO. 7145



OC00000007612403

James F. Haley
FISH & NEAVE
1251 Avenue of the Americas
New York, NY 10020-1104

Date Mailed: 03/11/2002

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/19/2001.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

RECEIVED

MAR 18 2002

FISH & NEAVE - PATENT DEPT.
REFERRED TO JM
NOTED BY 59

Mamye Wagstaff
MAMYE I WAGSTAFF
1700 (703) 308-1235

ATTORNEY/APPLICANT COPY